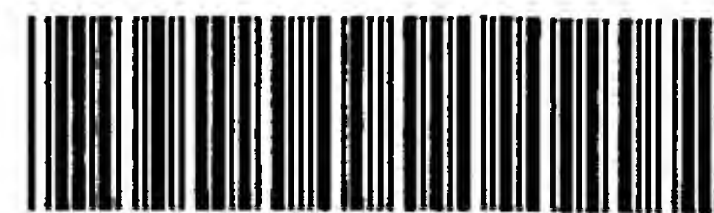


## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/594,295  
Source: IFWP  
Date Processed by STIC: 10/6/06

***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006

TIME: 11:09:19

Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

```

3 <110> APPLICANT: SCHOFIELD, Christopher Joseph
4      HEWITSON, Kirsty Sarah
5      MCDONOUGH, Michael Arnold
6      RATCLIFFE, Peter John
7      MASSON, Norma
8      COCKMAN, Matthew Edward
10 <120> TITLE OF INVENTION: Assays
12 <130> FILE REFERENCE: 50318/014001
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/594,295
C--> 14 <141> CURRENT FILING DATE: 2006-09-27
14 <150> PRIOR APPLICATION NUMBER: PCT/GB2005/001150
15 <151> PRIOR FILING DATE: 2005-03-24
17 <150> PRIOR APPLICATION NUMBER: GB 0425760.6
18 <151> PRIOR FILING DATE: 2004-11-23
20 <150> PRIOR APPLICATION NUMBER: GB 0406914.2
21 <151> PRIOR FILING DATE: 2004-03-26
23 <160> NUMBER OF SEQ ID NOS: 23
25 <170> SOFTWARE: PatentIn version 3.3
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 21
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
34 Tyr Leu Gly Ile Val Glu Leu Leu Val Ser Leu Gly Ala Asp Val Asn
35 1          5          10          15
38 Ala Gln Glu Pro Cys
39          20
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 21
44 <212> TYPE: PRT
45 <213> ORGANISM: Homo sapiens
47 <400> SEQUENCE: 2
49 Ser Leu Pro Cys Leu Leu Leu Leu Val Ala Ala Gly Ala Asp Val Asn
50 1          5          10          15
53 Ala Gln Glu Gln Lys
54          20
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 21
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
62 <400> SEQUENCE: 3
64 Asn Ala Leu Val Thr Lys Leu Leu Leu Asp Cys Gly Ala Glu Val Asn
65 1          5          10          15

```

## RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,295

TIME: 11:09:19

Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

```

68 Ala Val Asp Asn Glu
69          20
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 11
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 4
79 Val Ala Ala Gly Ala Asp Val Asn Ala Gln Glu
80 1          5          10
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 4
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 5
90 Asp Val Asn Ala
91 1
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 31
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 6
100 gcctgccatg tttgaagctg ctggtggccg c          31
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 31
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 7
109 gcggccacca gcagcttcaa acatggcagg c          31
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 32
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 8
118 tctgggggta cagtcgcaga gctggtggag gc          32
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 32
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 9
127 gcctccacca gcactgcgac tgtaccccca ga          32
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 349
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 10
137 Met Ala Ala Thr Ala Ala Glu Ala Val Ala Ser Gly Ser Gly Glu Pro
138 1          5          10          15
141 Arg Glu Glu Ala Gly Ala Leu Gly Pro Ala Trp Asp Glu Ser Gln Leu
142          20          25          30

```

## RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,295

TIME: 11:09:19

Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

```

145 Arg Ser Tyr Ser Phe Pro Thr Arg Pro Ile Pro Arg Leu Ser Gln Ser
146          35          40          45
149 Asp Pro Arg Ala Glu Glu Leu Ile Glu Asn Glu Glu Pro Val Val Leu
150          50          55          60
153 Thr Asp Thr Asn Leu Val Tyr Pro Ala Leu Lys Trp Asp Leu Glu Tyr
154 65          70          75          80
157 Leu Gln Glu Asn Ile Gly Asn Gly Asp Phe Ser Val Tyr Ser Ala Ser
158          85          90          95
161 Thr His Lys Phe Leu Tyr Tyr Asp Glu Lys Lys Met Ala Asn Phe Gln
162          100          105          110
165 Asn Phe Lys Pro Arg Ser Asn Arg Glu Glu Met Lys Phe His Glu Phe
166          115          120          125
169 Val Glu Lys Leu Gln Asp Ile Gln Gln Arg Gly Gly Glu Glu Arg Leu
170          130          135          140
173 Tyr Leu Gln Gln Thr Leu Asn Asp Thr Val Gly Arg Lys Ile Val Met
174 145          150          155          160
177 Asp Phe Leu Gly Phe Asn Trp Asn Trp Ile Asn Lys Gln Gln Gly Lys
178          165          170          175
181 Arg Gly Trp Gly Gln Leu Thr Ser Asn Leu Leu Leu Ile Gly Met Glu
182          180          185          190
185 Gly Asn Val Thr Pro Ala His Tyr Asp Glu Gln Gln Asn Phe Phe Ala
186          195          200          205
189 Gln Ile Lys Gly Tyr Lys Arg Cys Ile Leu Phe Pro Pro Asp Gln Phe
190          210          215          220
193 Glu Cys Leu Tyr Pro Tyr Pro Val His His Pro Cys Asp Arg Gln Ser
194 225          230          235          240
197 Gln Val Asp Phe Asp Asn Pro Asp Tyr Glu Arg Phe Pro Asn Phe Gln
198          245          250          255
201 Asn Val Val Gly Tyr Glu Thr Val Val Gly Pro Gly Asp Val Leu Tyr
202          260          265          270
205 Ile Pro Met Tyr Trp Trp His His Ile Glu Ser Leu Leu Asn Gly Gly
206          275          280          285
209 Ile Thr Ile Thr Val Asn Phe Trp Tyr Lys Gly Ala Pro Thr Pro Lys
210          290          295          300
213 Arg Ile Glu Tyr Pro Leu Lys Ala His Gln Lys Val Ala Ile Met Arg
214 305          310          315          320
217 Asn Ile Glu Lys Met Leu Gly Glu Ala Leu Gly Asn Pro Gln Glu Val
218          325          330          335
221 Gly Pro Leu Leu Asn Thr Met Ile Lys Gly Arg Tyr Asn
222          340          345
225 <210> SEQ ID NO: 11
226 <211> LENGTH: 19
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 11
232 Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys Glu Val Asn
233 1          5          10          15
236 Ala Pro Ile
240 <210> SEQ ID NO: 12

```

## RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,295

TIME: 11:09:19

Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

```

241 <211> LENGTH: 20
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 12
247 Ser Leu Ser Met Val Gln Leu Leu Leu Gln His Gly Ala Asn Val Asn
248 1          5          10          15
251 Ala Gln Met Tyr
252          20
255 <210> SEQ ID NO: 13
256 <211> LENGTH: 20
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 13
262 Phe Leu Asp Thr Leu Lys Val Leu Val Glu His Gly Ala Asp Val Asn
263 1          5          10          15
266 Val Pro Asp Gly
267          20
270 <210> SEQ ID NO: 14
271 <211> LENGTH: 20
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 14
277 His Ala Ser Ile Val Glu Val Leu Leu Lys His Gly Ala Asp Val Asn
278 1          5          10          15
281 Ala Lys Asp Met
282          20
285 <210> SEQ ID NO: 15
286 <211> LENGTH: 20
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 15
292 Asn Leu Glu Val Ala Glu Tyr Leu Leu Glu His Gly Ala Asp Val Asn
293 1          5          10          15
296 Ala Gln Asp Lys
297          20
300 <210> SEQ ID NO: 16
301 <211> LENGTH: 20
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 16
307 Val Glu Val Leu Lys Ile Leu Leu Asp Glu Met Gly Ala Asp Val Asn
308 1          5          10          15
311 Ala Cys Asp Asn
312          20
315 <210> SEQ ID NO: 17
316 <211> LENGTH: 20
317 <212> TYPE: PRT
318 <213> ORGANISM: Homo sapiens
320 <400> SEQUENCE: 17

```

## RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,295

TIME: 11:09:19

Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

322 Arg Asp Glu Ile Val Lys Ala Leu Leu Gly Lys Gly Ala Gln Val Asn  
 323 1 5 10 15

326 Ala Val Asn Gln

327 20

330 &lt;210&gt; SEQ ID NO: 18

331 &lt;211&gt; LENGTH: 20

332 &lt;212&gt; TYPE: PRT

333 &lt;213&gt; ORGANISM: Homo sapiens

335 &lt;400&gt; SEQUENCE: 18

337 Gln Leu Glu Ile Leu Glu Phe Leu Leu Leu Lys Gly Ala Asp Ile Asn

338 1 5 10 15

341 Ala Pro Asp Lys

342 20

345 &lt;210&gt; SEQ ID NO: 19

346 &lt;211&gt; LENGTH: 20

347 &lt;212&gt; TYPE: PRT

348 &lt;213&gt; ORGANISM: Homo sapiens

350 &lt;400&gt; SEQUENCE: 19

352 Tyr Thr Glu Val Leu Lys Leu Leu Ile Gln Ala Gly Tyr Asp Val Asn

353 1 5 10 15

356 Ile Lys Asp Tyr

357 20

360 &lt;210&gt; SEQ ID NO: 20

361 &lt;211&gt; LENGTH: 20

362 &lt;212&gt; TYPE: PRT

363 &lt;213&gt; ORGANISM: Homo sapiens

365 &lt;400&gt; SEQUENCE: 20

367 Asn Thr Arg Val Ala Ser Phe Leu Leu Gln His Asp Ala Asp Ile Asn

368 1 5 10 15

371 Ala Gln Thr Lys

372 20

375 &lt;210&gt; SEQ ID NO: 21

376 &lt;211&gt; LENGTH: 4

377 &lt;212&gt; TYPE: PRT

378 &lt;213&gt; ORGANISM: Homo sapiens

381 &lt;220&gt; FEATURE:

382 &lt;221&gt; NAME/KEY: MISC\_FEATURE

383 &lt;222&gt; LOCATION: (1)..(1)

384 &lt;223&gt; OTHER INFORMATION: Xaa = Asp, Glu, Asn or Gln

386 &lt;220&gt; FEATURE:

387 &lt;221&gt; NAME/KEY: MISC\_FEATURE

388 &lt;222&gt; LOCATION: (2)..(2)

389 &lt;223&gt; OTHER INFORMATION: Xaa = Val, Ile or Leu

391 &lt;220&gt; FEATURE:

392 &lt;221&gt; NAME/KEY: MISC\_FEATURE

393 &lt;222&gt; LOCATION: (4)..(4)

394 &lt;223&gt; OTHER INFORMATION: Xaa = Ala, Val or Ile

396 &lt;400&gt; SEQUENCE: 21

W--&gt; 398 Xaa Xaa Asn Xaa

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006  
TIME: 11:09:20

Input Set : A:\50318.014001.txt  
Output Set: N:\CRF4\10062006\J594295.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; Xaa Pos. /1,2,4

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006

TIME: 11:09:20

Input Set : A:\50318.014001.txt

Output Set: N:\CRF4\10062006\J594295.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0